Designation: NCIB 8455 [DSM 14882]  
Deposited Name: *Ferrobacillus ferrooxidans* Leathen and Braley  
Product Description: Type strain. Formerly *Thiobacillus ferrooxidans*. Organism used in genome sequencing project.

### Propagation

**Medium**  
ATCC® Medium 2039: Acidithiobacillus ferrooxidans Medium

**Growth Conditions**  
**Temperature:** 26°C  
**Atmosphere:** Aerobic

**Propagation Procedure**

1. Incubate test tube cultures under above conditions upon receipt. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth. Transfer culture to fresh media within one week of arrival.
2. Gently vortex the test-tube to dislodge the iron that has oxidized onto the glass. Aseptically withdraw approximately 1.0 mL of the broth culture and transfer into 5 mL of fresh broth.
3. Incubate the broth either on a shaker or in a static and slanted position.
4. Growth is evident within one week, when yellow-orange iron oxide deposits are observed.
5. Transfer the culture approximately every two weeks.

**Notes**

The cells are motile and rod-shaped.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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**Acidithiobacillus ferrooxidans (ATCC® 23270™)**

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**Please read this FIRST**

**Storage Temp.**
- Frozen: -80°C or colder
- Freeze-Dried: 2°C to 8°C
- Live Culture: See Propagation Section

**Biosafety Level**
1

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**Intended Use**

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

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**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Acidithiobacillus ferrooxidans (ATCC® 23270™)*

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